

AMENDMENTS TO THE SPECIFICATION:

Please amend the indicated paragraphs of the specification in accordance with the amendments indicated below.

Page 1: First full paragraph, amend as indicated below:

BACKGROUND OF THE INVENTION

The invention relates to an inductive sensor unit for switches and can be used in particular for a position switch apparatus that is used in automatic motor vehicle transmissions.

Page 3: Paragraph bridging pages 3-4, amend as indicated below:

The object of the invention is to influence the inductance of a sensor coil using an actuator brought over the coil and to evaluate its inductance in a simple manner. The inductance of a coil changes significantly through a conductive actuator element that in accordance with ~~independent claim 1~~ the invention has a variable distance to the sensor coil and/or a variable overlap of the sensor coil. This object is attained by an inductive sensor unit ~~with the features~~ in

accordance with the invention. ~~claim 1. Useful further developments are defined in the dependent claims.~~

Page 4: First full paragraph, amend as indicated below:

SUMMARY OF THE INVENTION

An undamped sensor coil with the external dimensions 10 mm x 10 mm, which is wound on the printed circuit board like a rectangular spiral from the inside to the outside, has 10 windings and an inductance of approx. 1 μ H at the resolution that can be attained on the printed circuit board.

Page 4: Third full paragraph, amend as indicated below:

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 illustrates the planar design of a sensor slide on a printed circuit board together with the electrotechnically equivalent symbol.

Page 6: First full paragraph, amend as indicated below:

DETAILED DESCRIPTION OF THE INVENTION

In accordance with Figure 1, a sensor coil is applied in a planar manner to a printed circuit board. The connection in the center point of the spiral is executed for instance on the back side of the printed circuit board. If the sensor is covered in accordance with Figure [[1]] 2 with a conductive actuator at a distance x of for instance $x = 0.05$ mm, the inductance decreases from for instance approx. $1 \mu\text{H}$ to for instance approx. $0.2 \mu\text{H}$.

Please cancel the present abstract and replace the abstract with the cleanly typed substitute abstract submitted on the following separate page.